

**Exhibit E**

# Rating to Bondholder Security After Detroit

## Special Report

Detroit's proposed treatment of bondholders strains the boundaries of what creditors would have expected to be entitled to in a bankruptcy. The proposed plan of adjustment's (PPOA) treatment of utility bonds, as well as the city's suit to invalidate certificates of participation (COPs), will challenge traditional rating distinctions linked to bondholder security.

The recent agreement between bond insurers and the city regarding ULTGO bonds is closer to what we would assume bondholders would receive without an express statutory lien but is still well below full recovery. If special revenue bondholders are impaired as proposed and/or the city's suit to invalidate is successful, there could be a roadmap for a legal strategy in a limited number of other cases.

**Most Detroit Bondholders Vulnerable:** The agreement on the ULTGO bonds stipulates even more substantial impairment for LTGO bondholders. Holders of pension certificates of obligation (COPs) may get a very low recovery at best. Even bonds secured by "special revenues" as defined in the bankruptcy code may be at risk, although the parking system special revenue debt has not been scheduled for impairment. Bonds secured by state distributable aid revenue have also not been impaired, and there is no proposal to do so.

**Operations Trump Security:** Maintaining or restoring essential services should be expected to trump attention to security distinctions when a municipality is distressed to the point of bankruptcy. Rating distinct security structures at levels without any direct linkage to the ULTGO debt will make sense only when that security reflects impregnable legal protection. It remains to be seen whether special revenue status, which could include a statutory lien on dedicated tax revenues, affords that kind of protection. The proposed impairment of the utility debt in the PPOA suggests it may not.

**Nontraditional Security May Be Targeted:** The city is challenging the validity of the COPs it issued to provide funding for the pension plans in the mid-2000s. Should the city prevail, the decision will suggest a legal theory to attack certain other nontraditional securities used by municipalities to avoid adherence to legal requirements related to debt issuance. Fitch Ratings believes most of the commonly used structures are better positioned to survive such a claim.

### Related Research

[Fitch Fundamentals Index - U.S.](#)  
(April 2014)

[Fitch on Detroit](#) (September 2013)

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## Special Revenues May Be Less Special than Assumed

Chapter 9 of the U.S. Bankruptcy Code (the code) explicitly creates a carve-out for so-called special revenues, which would be exempt from an automatic stay and remain subject to pre-petition liens. This should protect enterprise operations from being swept into a bankruptcy caused by general government distress and allow those operations to continue to provide essential services on a stand-alone basis. The first listed definition in section 902 of Chapter 9 is: "receipts derived from the ownership, operation, or disposition of projects or systems of the debtor that are primarily used or intended to be used primarily to provide transportation, utility, or other services..." Thus, it is quite clear that a water and sewer system's revenue should be considered special revenue. The provisions have historically been thought to allow ratings of the debt of such utilities to assume the complete isolation of these assets and revenues from the bankruptcy proceedings. This seems to be the clear intent of the provisions of the bankruptcy code.

In the June 2013 proposal to creditors, Detroit's emergency manager (EM) proposed eliminating the call protection from water and sewer bonds and adding a new \$50 million payment to the city that would be senior to bondholder repayment. A nonconsensual change to the payment terms and the proposed subordination of the lien to create a top-line revenue for the city would, in our view, constitute an impairment. This proposed impairment of special revenue debt was surprising but viewed by the municipal market as a preliminary and somewhat speculative request, given the clarity in Chapter 9 regarding the treatment of special revenue bondholders. In addition, Detroit has gone to great pains to separate the funds and operations of its utilities. The utility is effectively a regional system that provides water service to nearly 43% of Michigan residents. Detroit residents comprise less than one-half of the system's revenue base. Treating the utility as an asset of Detroit in its bankruptcy seems completely outside the contours of chapter 9, legally and factually.

However, Detroit's PPOA retains the impairment included in the proposal to creditors and threatens to reduce the coupon of any holder of enterprise debt that does not consent to the plan. The code talks about paying only "necessary operating expenses" before revenue bond debt service in bankruptcy, which suggests a paring of expenses that come before debt service. In contrast, the Detroit EM proposes to increase the payments that come before debt service from pre-filing levels.

The impairment, intended to create additional funds for general city operations, effectively seeks to impose a charge on suburban members of the system to support the city operating budget. Not surprisingly, the suburban members are resisting this concept. A waiver of the call protection on the utility debt is not required to maintain the solvency of the utility system.

This approach has not yet been agreed upon either through negotiation or by the bankruptcy judge. If the lien or the call protection on the utility bonds is ultimately impaired, Fitch will reevaluate its current assumption that utility revenue bond ratings are so well protected as special revenue debt under Chapter 9 that such bonds can be assigned ratings on a stand-alone basis without a link to a related municipal ULTGO rating. Consideration of general government credit quality may become a more important factor in rating utility bonds.

We also note that the dilution of "special revenue" status could lead to impairment and pressure on non-utility debt secured by a statutory lien on a dedicated tax. The desire to limit the lien to a sum-sufficient coverage level of the secured debt to free up excess revenues for operations could be irresistible. As noted in our criteria, we do not generally assume that special tax pledges would be considered special revenue and do not rate bonds above the ULTGO rating.

### Related Criteria

U.S. Local Government Tax-Supported  
Rating Criteria (August 2012)

### General Obligation Strength Can Vary

There is some ambiguity in Chapter 9 about treatment in bankruptcy of property taxes for GO debt service, as special revenues exclude “receipts from general property, sales or income taxes...levied to finance the general purposes of the debtor.” Despite a pledge of a voted, dedicated property tax for debt service, Michigan local government ULTGO bonds do not offer bondholders a statutory lien on that revenue stream.

Under a settlement agreement with Assured Guaranty Ltd., Ambac Assurance Corp. and National Public Finance Guarantee Corp., new bonds issued by the Michigan Finance Authority will provide existing ULTGO bondholders with 74% of their original principal. Bond security will include a statutory lien and an acknowledgement that the dedicated property tax constitutes a special revenue under Chapter 9. This result is far more favorable to creditors than the PPOA's original and revised offers of 20% and 15%, respectively.

We believe this outcome demonstrates both the strength provided by the ad valorem tax levied specifically for debt service and the vulnerability resulting from the absence of a statutory lien. It is unlikely in our view that the plan would be confirmed if it allowed taxes approved solely to support debt service to be used for municipal operations in violation of state law. However, the settlement agreement suggests that dedication of the taxes alone is not enough to completely protect bondholders in a bankruptcy proceeding and will not support elevating a rating above the general credit quality of the municipality. Moreover, it results in far less repayment than what utility revenue bondholders will likely receive.

No agreement has been reached yet with LTGO creditors, but the outcome will be even less favorable, despite being offered similar recovery in the PPOA. A “Most Favored Nation” clause in the settlement agreement requires that the rate of recovery for ULTGOs be greater than those of other classes of impaired unsecured creditors.

### Extraordinary Structures Can Survive

Bonds secured by distributable state aid (DSA; the city's share of statewide sales tax payments provided for by the state constitution) are not impaired under the PPOA. The pledged DSA is subject to a perfected statutory lien and trust for the benefit of bondholders. The security thus creates a super lien that a bankrupt municipality cannot seek to impair. Similar structures used in Michigan and elsewhere should support ratings clearly distinct from and not linked to the municipalities' general credit rating.

### Operations Trump Security; Bankruptcy to Remain Rare

Whether or not the PPOA's novel approach to bondholder security stands, the underlying operational strength of the obligor will remain paramount. Fitch notes that public sector obligors go to great lengths to avoid defaulting on bonded debt to the extent they have the capacity to do so. Conversely, obligors whose financial strength is impaired will necessarily face hard decisions, placing less weight on the legal security of their obligations. No matter how much legal fortification there is for the GO pledge, we believe bondholder payments will always be vulnerable where there is extreme financial distress and a desire to reduce fixed costs or divert spending to operations. We think these situations will continue to be rare, as few governments appear to be in such a difficult position, and even those that are may not be willing to accept the title of “bankruptcy.”

It was clear from the time of the release of Detroit's proposal to creditors that the city did not intend to repay GO and COP bondholders in full, while employees and retirees saw their future payments reduced. There has been much discussion by city and state leadership about the need for everyone

involved to do their part to aid the city's recovery, and repaying bondholders would have been at odds with this philosophy. Both ULTGO bondholders and retirees have agreed on settlements that provide for substantially greater recovery than originally proposed by the city. Retirees will see very little impairment in pension benefits, although other post-employment benefits will be reduced substantially, while ULTGO bondholders receive 74% of their original debt service. Employees may see the restoration of some of the salary reductions sustained over the past few years..

### Potential COP Invalidation

The city is challenging the validity of the COPs it issued to provide funding for the pension plans in 2005 and 2006. Issuance of this debt notably boosted pension assets, affording the solid funding levels discussed in the previous section of this report. The challenge is based on the city's assertion that the transactions were artifices that allowed the city to exceed the debt limit set by state law and, therefore, are ultra vires, i.e. outside the legal capacity of the municipality and void. This suggests that the city cannot be required to repay the debt. It is not clear how the city can retain proceeds from the debt deposited to the pension fund, whether the pension fund itself could be caused to disgorge the funds remitted, how intervening payments to bondholders should be treated and whether there is any fraud claim available to holders of the debt. It is likely that an equitable outcome provides at least some recovery to bondholders, but that is impossible to estimate. It is one thing to reduce payments to holders of debt, even dramatically, and quite another to claim the debt should never have existed.

Many local governments depend on similar types of debt structures to fund their capital needs. Issuance of COPs or lease revenue bonds through a conduit issuer with no operating responsibilities (thus bankruptcy-remote) is particularly common in states like California, which requires voter approval for GO issuance. In Detroit's case, it was the state's debt limit the COPs strove to avoid. Issuers in other states have crafted various vehicles for a similar purpose.

Should the city prevail, it may create a limited theory to attack unusual or "creative" debt structures to avoid compliance with state laws governing debt issuance. However, the challenge in the Detroit proceeding does not, in our opinion, suggest that all such structures should now be considered vulnerable. Where a legal structure has been established through state legislation or has been tested in judicial proceedings, we believe an ultra vires claim will be much harder to assert, even if the claim is sustained in the Detroit case. For example, California's COP structure has become an established vehicle for financing capital needs. Bonds in Florida that are supported by a covenant to budget and appropriate non-ad valorem revenues are similarly common and have been subject to court validation. In contrast, Detroit's structure was described at the time as novel and does not benefit from either statutory authorization or judicial review of a similar structure in a Michigan court.

The city's attempts to invalidate the pension COPs seem to be at odds with the recent settlement agreement with the swap counterparties for the same COPs. The agreement will provide the counterparties \$85 million. In his consideration of previous agreements that would have provided partial repayment to the counterparties, the bankruptcy judge weighed practical considerations — referring to the agreed-upon payments as "just too much money" — over the legal consideration of whether the repayment source under the collateral agreement was a special revenue under Chapter 9 and thereby secured.

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